Manitoba

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Dear Colleague,

Please find attached the **Summary of Communicable Diseases for the Month of May 2006.** This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive* during the month of May 2006.

Communicable Diseases

In total, there were **309** new infections occurring across 22 communicable diseases** (excluding sexually transmitted infections and HIV) in May 2006. The observed number of cases were within the expected range for all of the reported communicable diseases. The expected number of cases and accompanying range is based on the number of cases during April, May, and June 2001-2005.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were **389** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in May: 253 cases of chlamydia (Ct), 101 cases of gonorrhoea (GC), 30 GC-Ct co-infections, and 5 cases of syphilis. Close to half (45%) of all GC and Ct cases in the province were reported among young females between the ages of 15 and 24 years. More than half (53.6%) of all GC and Ct cases were reported for individuals living in the Winnipeg health region, and an additional 17.7% were from the Burntwood health region.

In May **29** individuals tested positive for hepatitis C, most of who were reported from the Winnipeg health region. More than 60% of the cases were among males, mostly in the 40-59 year age groups.

Eight Manitobans tested positive for HIV in May 2006, six of whom are female.

*Note: Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date.

**Note: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes, and are not reported out for public health follow-up:

ascariasis (ICD9: 127.0)
clostridium difficile (ICD9: 558.2)
leishmaniasis – unspecified (ICD9: 085.9)
methicillin or vancomycin resistant staphylococcus aureus (MRSA/VRSA)
penicillin-resistant streptococcus pneumoniae (ICD9: 481.9)
schistosomiasis (ICD9: 120)
streptococcus pneumoniae – other site (ICD9: 041.2)
strongyloides (ICD9: 127.2)
vancomycin resistant enterococci (VRE)
tuberculosis (ICD9: 013, 011, 010 – cases and contacts of tuberculosis are managed by the Provincial Tuberculosis Control Programme located at the Health Sciences Centre)

Cheers,

Dr. Carole Beaudoin
Epidemiologist, Communicable Diseases

SUMMARY OF COMMUNICABLE DISEASE FOR May 2006

		MONTHLY TOTAL				YEAR-TO-DATE	
ICD9	DISEASE/INFECTION	2005	2006	Expected*	Ex. Range**	2005	2006
006.9	AMEBIASIS	4	3	3	0-7	15	18
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS			0	0-1		
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-1		
320.9	BAC. MENINGITIS - OTHER			0	0-1	1	
320.1	BAC. MENINGITIS - PNEUM			0	0-1	2	
320.3	BAC. MENINGITIS - STAPH			0	0-1		
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS		1	1	0-3	1	3
008.43	CAMPYLOBACTER	21	7	19	3-35	98	59
558.2	CLOSTRIDIUM DIFFICILE	104	101		***	171	531
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	1	2	3	0-8	6	9
061.0	DENGUE FEVER			0	0-0		2
065.4	DENGUE HEMORRHAGIC FEVER			0	0-1		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHTHERIA CASES			0	0-0		
123.4	DIPHYLLOBOTHRIUM SPP		1	0	0-1	1	3
008.0	E. COLI-VEROTOXIGENIC	5	7	6	0-14	12	20
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-1		
007.1	GIARDIA LAMBLIA	10	5	10	3-17	31	37
041.5	H.I.B.-NON MTGS	1		0	0-1	1	
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		
070.1	HEPATITIS A	3	2	3	0-11	11	7
070.3	HEPATITIS B	2		1	0-2	2	3
070.51	HEPATITIS C	49	29	49	0-102	193	111
054.8	HERPES-W-UNSPEC COMPL			0	0-0		4
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA			0	0-1	2	
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1		1
027.0	LISTERIA MONOCYTOGENES	1	1	0	0-1	2	1
088.81	LYME DISEASE			0	0-2		
084	MALARIA		2	1	0-3	2	4
055.9	MEASLES			0	0-1		
036.0	MENINGOCOCCAL CSF			0	0-2	2	1
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCEMIA BLOOD			0	0-1	2	
B95.6	MRSA	82	100	44	0-101	384	549
072.9	MUMPS			0	0-1	1	
036.89	N.MENINGITIDIS OTHER			0	0-1	2	2
728.86	NECROTIZING FASCIITIS	1		0	0-1	4	3
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-1		
033.1	PARAPERTUSSIS				***		
002.9	PARATYPHOID			0	0-1		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS	2	2	4	0-8	18	5
038.2	PNEUM. SEPTICEMIA	7	9	7	1-13	39	34

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

		MONTHLY TOTAL				YEAR-TO-DATE	
ICD9	DISEASE/INFECTION	2005	2006	Expected*	Ex. Range**	2005	2006
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-1		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-1		
056.9	RUBELLA			0	0-0		
771.0	RUBELLA CONGENTIAL			0	0-0		
041.2	S.PNEUM.OTHER	2		1	0-4	10	1
003.0	SALMONELLA	15	14	15	7-23	56	66
120	SCHISTOSOMIASIS			0	0-0		
004	SHIGELLOSIS			1	0-2	6	4
005.0	STAPHYLOCOCCAL			0	0-0		
785.5	STAPHYLOCOCCUS AUREUS				***		
481.9	STREP PNEUMONIA - PR			0	0-1		
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		1
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-1	2	
481	STREPTOCOCCUS PNEUMONIAE	1		1	0-3	2	
127.2	STRONGYLOIDES	2	1	0	0-1	2	1
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			1	0-5		
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		
013	TUBERCULOSIS - NON-RESP.	1	2	2	0-5	11	15
011	TUBERCULOSIS - RESP.	9	9	8	4-12	41	40
010	TUBERCULOSIS-PRIM.	2		2	0-6	3	12
021.9	TULAREMIA	1		0	0-1	1	
002.0	TYPHOID			0	0-1		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	4	7		***	22	22
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK			0	0-0		
047.1	VIRAL MENINGITIS-ECHO		3	1	0-5		5
047.8	VIRAL MENINGITIS-ENTERO				***		1
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-1		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION				***		
198	WNV NEUROLOGICAL SYNDROME				***		
197	WNV NON-NEUROLOGICAL SYND				***		
066.3	WNV UNCLASSIFIED				***		
008.44	YERSINIA ENTEROCOLITICA		1	1	0-3	3	6
		330	**309**			**1162**	**1581**

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR May 2006

		<2		2 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing	Total
ICD9	Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gendr	
006.9	AMEBIASIS					1							1				1												3
005.2	C. PERFRINGENS											1																	1
008.43	CAMPYLOBACTER	1					2				1		1						1			1							7
558.2	CLOSTRIDIUM DIFFICILE			1		1					1	2		3		4	3	3	4	6	4	10	10	9	8	16	16		101
007.8	CRYPTOSPORIDIOSIS						1								1														2
123.4	DIPHYLLOBOTHRIUM															1													1
008.0	E.COLI 0157		1			1		1											2					1		1			7
007.1	GIARDIA LAMBLIA				2				1						1				1										5
070.1	HEPATITIS A							1										1											2
070.51	HEPATITIS C													2		3	4	3	5	1	5	1	3				1	1	29
027.0	LISTERIA MONOCYTOGENES																				1								1
084	MALARIA				1		1																						2
B95.6	MRSA	4	1	2	2	3	2	3	5	3	3	4	2	2	3	6	2	3	5	4	3	5	3	4	2	13	11		100
033.0	PERTUSSIS		1			1																							2
003.0	SALMONELLA			1			1			1		1	1	1		2		1		2	1		1			1			14
038.2	STREP.PNEUMOCOCCAL SEPTIC		1			1	2							1		1	1					1	1						9
127.2	STRONGYLOIDIASIS											1																	1
013	TUBERCULOSIS - NON-RESP.																		1			1							2
011	TUBERCULOSIS - RESP.											1				2	2	1	1	1			1						9
B96.8	VANCOMYCIN RES. ENTER.											1							1			2	1		2				7
047.1	VIRAL MENINGITIS-ECHO									1			1						1										3
008.44	YERSINIA ENTEROCOLITICA													1															1
		5	4	4	5	8	9	5	6	5	5	11	6	10	5	19	13	12	22	14	14	21	20	14	12	31	28		309

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR May 2006

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
*Case Referred to:**				*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
006.9	AMEBIASIS	3																					3
005.2	C. PERFRINGENS	1																					1
008.43	CAMPYLOBACTER	2	1		1				2								1						7
558.2	CLOSTRIDIUM DIFFICILE	58	6		1		2		7		13		7		3		1	1	2				101
007.8	CRYPTOSPORIDIOSIS										1		1										2
123.4	DIPHYLLOBOTHRIUM	1																					1
008.0	E.COLI 0157	3	2												1		1						7
007.1	GIARDIA LAMBLIA	3			1														1				5
070.1	HEPATITIS A	1															1						2
070.51	HEPATITIS C	19	1						1								2	1	4			1	29
027.0	LISTERIA MONOCYTOGENES						1																1
084	MALARIA	2																					2
B95.6	MRSA	40	2	1			2		4		5		4			5	14	17	6				100
033.0	PERTUSSIS	1													1								2
003.0	SALMONELLA	5			1		2						4		1			1					14
038.2	STREP.PNEUMOCOCCAL SE PTIC	3									1						3	1	1				9
127.2	STRONGYLOIDIASIS	1																					1
013	TUBERCULOSIS - NON-RESP.		1															1					2
011	TUBERCULOSIS - RESP.	4																5					9
B96.8	VANCOMYCIN RES. ENTER.	3	1					1	2														7
047.1	VIRAL MENINGITIS-ECHO	3																					3
008.44	YERSINIA ENTEROCOLITICA	1																					1
		154	**14**	**1**	**4**		**7**	**1**	**16**		**20**		**16**		**6**	**5**	**23**	**27**	**14**			**1**	**309**
Missing Investigation Forms (Jan.1 to end of April)		69	6	1	1		2		2	1	4		7					1	2		1		97

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

STD Infection Summary Report - May 2006

	MONTHLY TOTAL		YEAR-TO-DATE	
DISEASE/INFECTION	**2005**	**2006**	**2005**	**2006**
All Chlamydia Infections	354	283	1679	1725
All Gonorrhea Infections (including PRNG)	73	131	388	683
All Syphilis Infections	10	5	36	24
Gonorrhea & Chlamydia Co-infections	38	30	185	214
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	9	8	44	37

Total Number of STD Cases by Age and Gender - May 2006

	<2		2 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing	Total
Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gendr	
Chlamydia Only Cases							2	1	67	17	62	33	25	16	8	15	3	2		1		1						253
Gonorrhea Only Cases	1						2		16	7	11	16	9	7	3	13	1	10	1	4								101
Syphilis Only Cases												2							1		1		1					5
GC and CT Cases							1		11	4	6	2	2	3		1												30
	1						5	1	94	28	79	53	36	26	11	29	4	12	2	5	1	1	1					389
HIV							1							1	3			1	2									8

Regional STD Distribution - May 2006

Disease/Infection	**Winnipeg**	**Brandon**	**N.Eastman**		**S.Eastman**		**Interlake**		**Central**		**Assiniboine**		**Parkland**		**Norman**		**Burntwood**		**Churchill**	**OOP**	**Missing**	**TOTAL**
Case Referred to:*			*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
All Chlamydia Infections	141	14	2	8		5	1	6		11		11	3	7	2	10	37	16		6	3	283
All Gonorrhea Infections	74	2	4	2		1	2	4		3		1	2	2		4	17	12		1		131
All Syphilis Infections	5																					5
GC and CT Infections	9		1			1		2		1		1		1			9	5				30

Missing Investigation Forms (Jan.1 to end of April)	55	2	4				4	6		3		2		1	12	7	28	1		1		126

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction